

# **Nuclear Material Stabilization and Disposition (RL-0011)**

**D. B. Klos, Vice President of Plutonium  
Finishing Plant Closure Project/  
(509) 373-3574**



*Tank D5 Below Grate Pipe Removal*



*Completed Pie Plating Of Gloveports*



*Tank D8 Floor Cleaning*



## Overview

This section addresses work in Project Baseline Summary RL-0011, *Nuclear Material Stabilization and Disposition*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of April 2006.

## Notable Accomplishments

### Disposition the Plutonium Finishing Plant (PFP) Facility

- Completed pie plating of 234-5Z and 236-Z gloveports - 1,469 gloveports plated
- Two solution containers were shipped in April for a total of 364 solution containers shipped to the Central Waste Complex
- Continued shipment of Standard Waste Boxes (SWBs) containing VIPAC fuel pins, shipping 200 pins in April, and bringing total pins shipped to 286
- Completed demobilization of the Interim Secure Storage Facility Project
- Completed process pipe removal in 241-Z Cell D-5
  - The last of the piping was removed from the below-work-grating level
- Completed plasma arc cutting of the 241-Z D-8 tank
- Completed cleaning of the 241-Z D-8 tank interior and removal of generated waste
- Completed cleaning of 241-Z D-5 pit floor and sump

## FY 2006 Funds vs. Spend Forecast (\$M)

	Projected FY 2006 Funding	FY 2006 Fiscal Year Spend Forecast	Variance
Nuclear Materials Stabilization & Disposition	\$ 137.3	\$ 135.4	\$ 1.9

## FY 2006 Schedule/Cost Performance (\$M)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Nuclear Materials Stabilization & Disposition	\$64.0	\$65.9	\$67.9	\$1.9	3.0%	-\$1.9	-2.9%	\$114.4

Numbers are rounded to the nearest \$0.1M and include the closure services allocation.

## FY 2006 Schedule/Cost Performance, continued

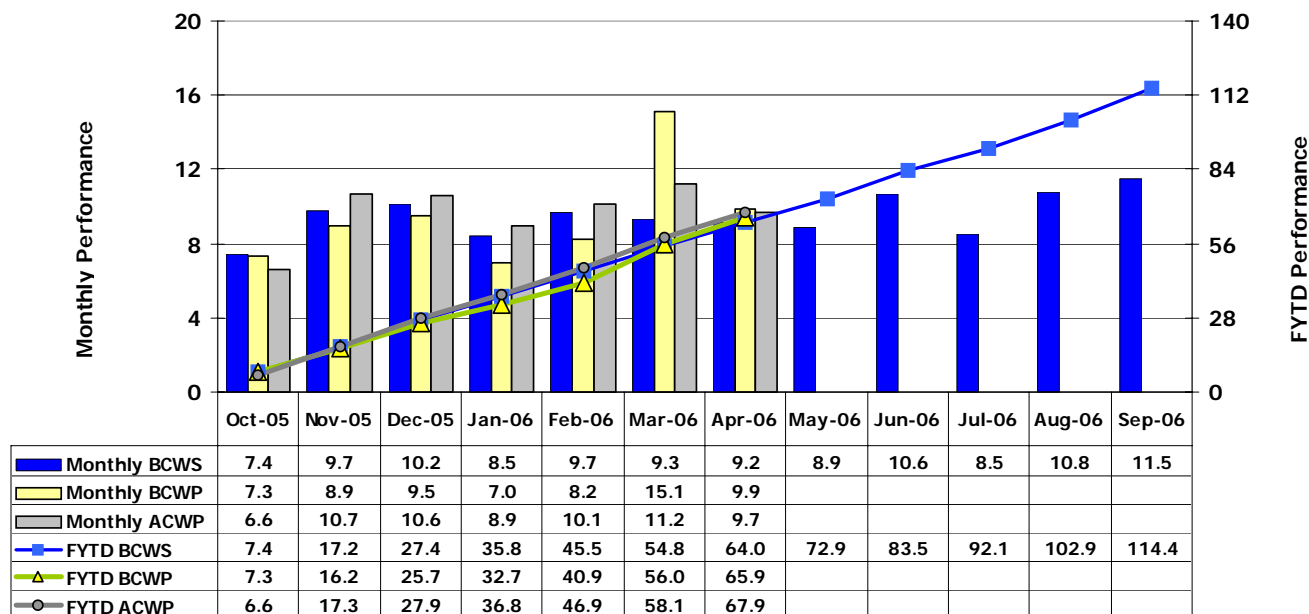
**Schedule Performance: (+1.9M/+3.0%):** Primary contributors to the favorable schedule performance include:

- Recovery of FY 2005 carryover scope for fuel moves in support of Material Access Area elimination
- Efforts continue on work originally planned in FY05, resulting in a positive schedule variance from installation of pie plating and removal of containment tents

**Cost Performance: (-\$1.9M/-2.9%):** Primary contributors to the unfavorable cost variance include:

- Increased support labor, crane and rigging and consumables (personal protective equipment, tools, etc.) for D&D activities.

### Performance Analysis FYTD and Monthly (\$M)



## Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comments
TRP-05-501 TRP-05-506	Discontinue Waste Discharges from the 241-Z Tanks to Tank Farms	TPA PI	6/30/05	12/8/04		Complete
TRP-05-504	Complete Pu Legacy Holdup Removal	PI	9/30/05	6/30/05		Complete
TRP-05-505	Transition 10 Facilities to Slab-on-Grade	PI	9/30/05	5/22/05		Complete
TRP-06-500	Decontaminate Glovebox HA-20MB	PI	3/31/06	10/28/04		Complete
TRP-06-501	Complete Pu Legacy Holdup Removal	TPA	9/30/06	6/30/05		Complete
TRP-06-507 TRP-06-502	Transition 232-Z Bldg Incinerator to Slab-on-Grade	TPA	9/30/06		8/10/06	Ahead of Schedule
TRP-06-509	Disposition Miscellaneous PFP Nuclear Materials	PI	9/30/06		9/30/06	On Schedule
TRP-06-515	Complete 242-Z Initial Entry & Characterization	PI	9/30/06	10/5/05		Complete
TRP-06-519	Complete Conceptual Design for Compliant Storage Facility	PI	9/30/06	1/26/06		Complete
TRP-06-521	Submit SEP Project NEPA Documentation	PI	9/30/06	2/8/06		Ahead of Schedule
TRP-06-527	Complete Demolition of Five DBT-Related Ancillary Facilities	PI	9/30/06		9/30/06	On Schedule